

The three-battle type AQUA-LUNG
formerly manufactured by the Can-
adian Compressed Air Corp. This
is an open-system compressed air
breathing apparatus.

Approved For Release 1999/09/10 : CIA-RDP78-03362A001200070002-7



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The Lambertson Amphibious Respiratory Unit, Mk. 10. This is a closed-system, oxygen supplied breathing apparatus. Notice the Swim-Fins, Swim-Mitts (not recommended), knife and wrist compass.

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A reconnaissance swim suit. This one-piece type suit was used by UDT in World War II and is being used by UDT in Korea. Note the clamp type closure in the back. This suit is not very satisfactory but is the best available at present.

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Two Lambertson operators and an officer-submarine escape trunk operator in the forward escape trunk prior to exit. Note the water flooded up to chin level. Normally, the top hatch through which the picture was taken would be closed.

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- (1) A Sleeping Beauty operator makes his approach to a target, in this case a submerged submarine simulating an underwater structure.
- (2) His boat secured, the pilot leaves and swims a pack of explosives to the placing point.
- (3) Having placed his charge, the pilot makes a power get away and h vaults into the cockpit of the Sleeping Beauty.

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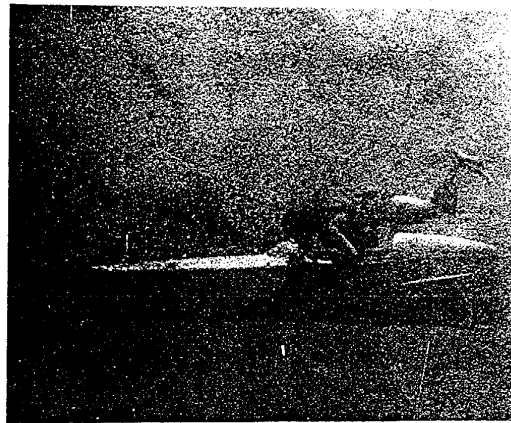
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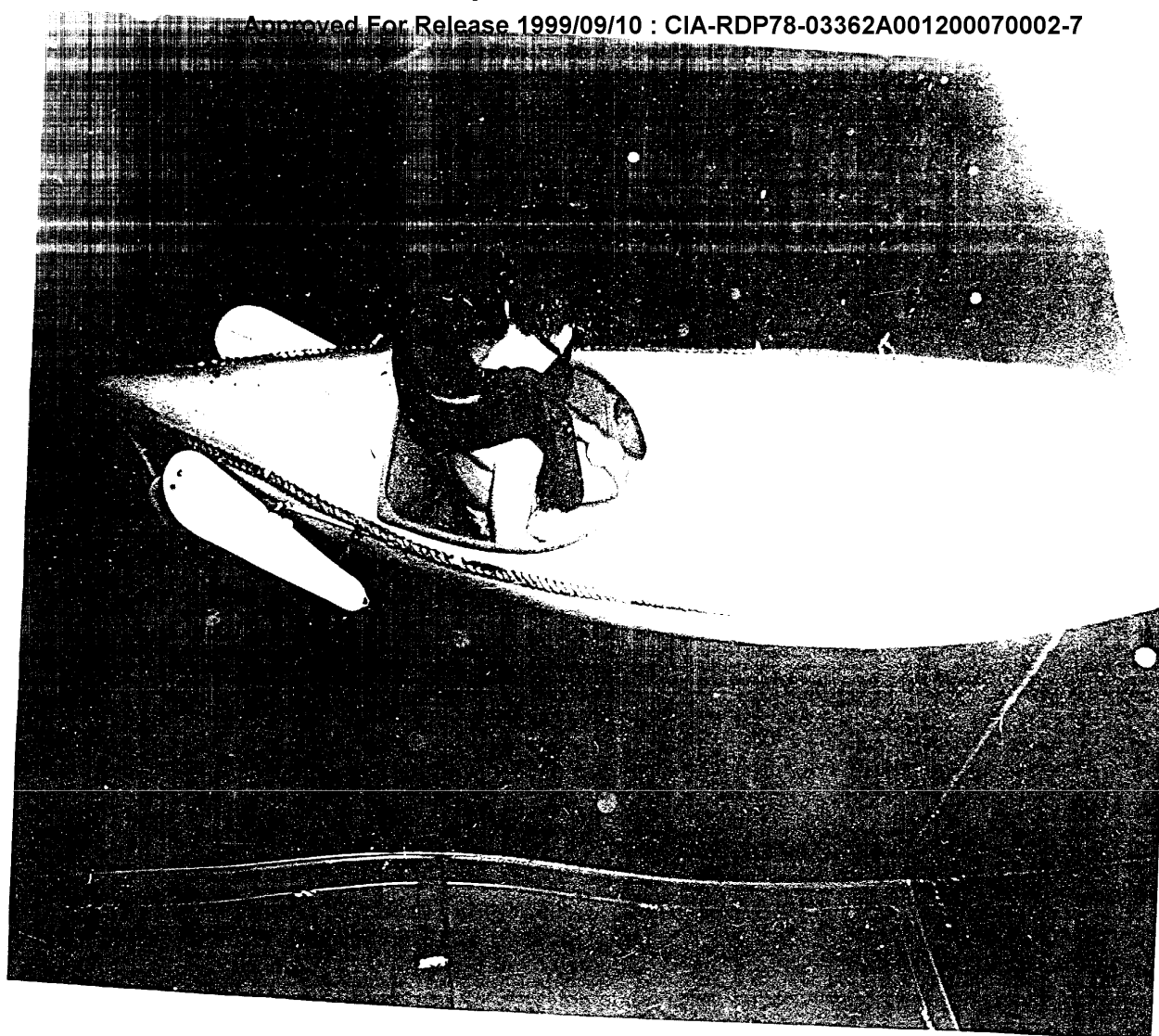


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During the withdrawal, the Sleeping Beauty pilot operates his boat. He is wearing a Lambertson unit and as this picture was taken, was at about an eight foot depth. Note the hydroplanes in full-rise position and rudder full right. The pilot has his left hand on the rudder-hydroplane control switch. This particular boat is the SB 138.

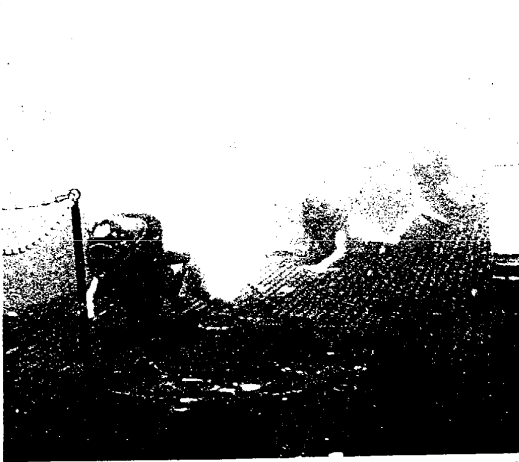
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- (1) Lambertson swimmers being recovered by an underway, submerged submarine. At this time, there was about thirty-five feet of water on deck.
- (2) The Sleeping Beauty pilot from the previous series of attack photos secures his charge (20 lbs. C-3) to the starboard bow plane spar of the bottomed submarine.
- (3) Lambertson swimmers man-haul a deflated rubber boat from its stowage in the superstructure of a bottomed submarine.
- (4) A Lambertson swimmer prepares to enter the forward escape trunk of a submerged submarine. The door through which he will enter is not visible. The round structure is the top-hatch of the escape trunk.

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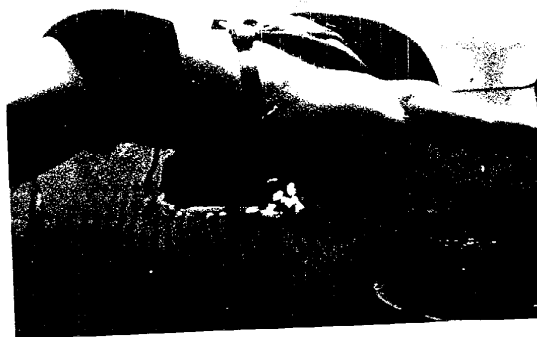
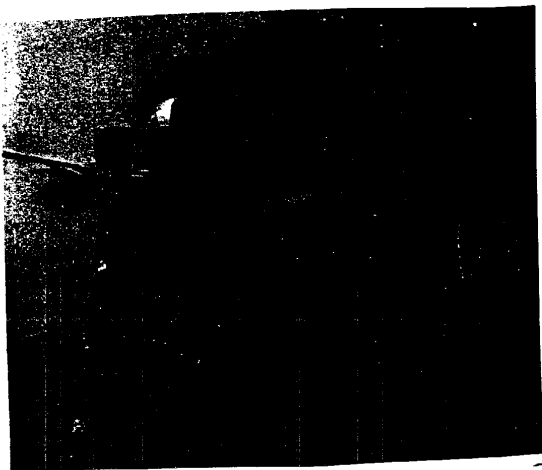


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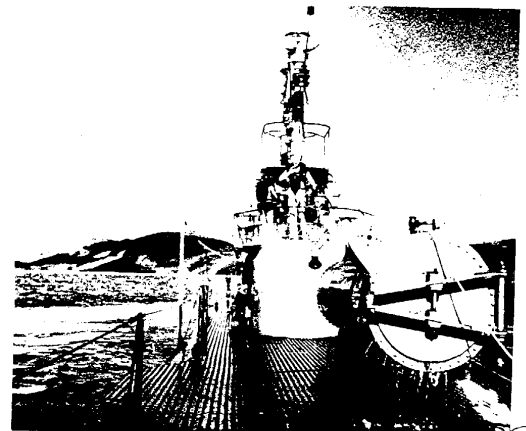
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- (1) A Sleeping Beauty secured on the deck of a submerged underway submarine.
- (2), (3) A pilot making a landing on an underway, submerged submarine. The stowage cradle is no longer used during a landing.
- (4) Mission completed, the submarine surfaces. The boiler-like structure is a Sleeping Beauty tank now used. The SB pilot standing on the "cigarette deck" is Dr. C.J. Lambertson formerly of OSS and designer of the Lambertson Amphibious Respiratory Unit.

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